FOR CAR USE ONLY/NUR FÜR AUTOMOBIL GEBRAUCH/POUR APPLICATION AUTOMOBILE UNIQUEMENT/ PARA USO EN AUTOMÓVILES/SOLO PER L'UTILIZZO IN AUTOMOBILE/ENDAST FÖR BILBRUK/ALLEEN VOOR GEBRUIK IN DE AUTO/ТОЛЬКО ДЛЯ ИСПОЛЬЗОВАНИЯ В АВТОМОБИЛЯХ/DO UŻYCIA TYLKO W SAMOCHODZIE

AUDIO/VISUAL SECTION

ALPINE®

EN
DE
FR
ES
IT
SE
NL
RU
PL

7-INCH ADVANCED NAVI STATION

INE-W977BT

QUICK REFERENCE GUIDE
Kurzanleitung
GUIDE DE RÉFÉRENCE RAPIDE
GUÍA DE REFERENCIA RÁPIDA
GUIDA RAPIDA
SNABBGUIDE
SNELSTARTGIDS
КРАТКОЕ СПРАВОЧНОЕ РУКОВОДСТВО
SKRÓCONA INSTRUKCJA DLA UŻYTKOWNIKA

Made for iPod iPhone
Bluetooth®
TMC
NAVTEQ ON BOARD
USB PLAYBACK
DVD VIDEO™
DOLBY DIGITAL
DIVX™ MP3 AAC
Plays Windows Media™

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IMPORTANT

Please record the serial number of your unit in the space provided below and keep it as a permanent record.

SERIAL NUMBER: _____

ISO SERIAL NUMBER: AL _____

INSTALLATION DATE: _____

INSTALLATION TECHNICIAN: _____

PLACE OF PURCHASE: _____

For details on all functions, refer to the Owner's Manual stored in the supplied CD-ROM. (As it is data CD, the CD cannot be used for playing back music and images on the player.) If required, an ALPINE dealer will readily provide you with a print out of the Owner's Manual contained in the CD-ROM.

WARNING

⚠WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.
Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions.
Failure to do so may result in an accident.

KEEP SMALL OBJECTS SUCH AS SCREWS OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.
Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

DO NOT DISASSEMBLE OR ALTER.
Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.
(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.
Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.
Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.
Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.
Doing so may result in personal injury or damage to the product.

MAKE THE CORRECT CONNECTIONS.
Failure to make the proper connections may result in fire or product damage.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.
Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT SPLICE INTO ELECTRICAL CABLES.
Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.
When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.
Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire, etc.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.
Doing so may obstruct forward vision or hamper movement etc., and results in serious accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.
This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgment or knowledge of safe driving practise.

⚠CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.
Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Centre for repairing.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.
The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.
Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally, or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.
Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.
Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.

KEEP FINGERS AWAY WHILE THE MOTORIZED FRONT PANEL OR MOVING MONITOR IS IN MOTION.
Failure to do so may result in personal injury or damage to the product.

Getting Started

Touch operation

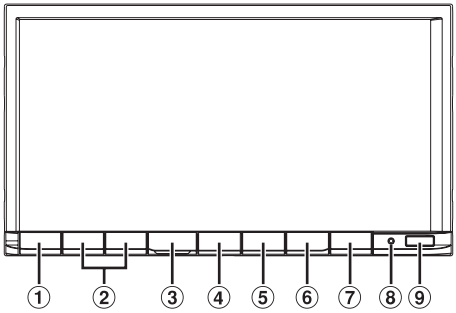
You can operate the system by using the touch panel on the screen.

■ **Common onscreen buttons**

: Returns to the previous screen. Depending on the function, this button may cancel the operations performed on the screen.

: Closes the window.

Location of Controls



① **(MUTE) button**

Press to activate/deactivate the mute mode.
Press and hold **(MUTE)** for at least 3 seconds to activate the "Setting the Balance/Fader/Subwoofer" mode.

② **(DOWN/UP) button**

Press to adjust the volume.

③ **(My Favourites) button**

The My Favourites screen for registered User1 is displayed.
Press and hold this button for at least 3 seconds to switch to User2.

④ **(MAP) button**

Recalls the navigation map screen.
For details of navigation operations, refer to "Navigation System OM" in the CD-ROM.

⑤ **(PHONE) button**

Recalls the Telephone Menu screen.
When a hands-free phone is connected, press and hold for at least 3 seconds to switch to the call history screen.

⑥ **(AUDIO) button**

Displays the Audio/Visual screen. If the Audio/Visual screen is already displayed, changes the source.
Press and hold for at least 3 seconds to turn the power off.

⑦ **(Eject) button**

⑧ **RESET switch**

The system of this unit is reset.

⑨ **Remote Sensor**

Point the remote control transmitter towards the remote sensor within a range of 2 metres.

Turning Power On or Off

1 **Turn the ignition key to the ACC or ON position.**

The system is turned on.

2 **Press and hold the (AUDIO) button for at least 3 seconds to turn the power off.**

Detaching and Attaching the Screen

Detaching

1 **Press ⏏ (Eject).**

The Open/Tilt screen is displayed.

2 **Touch [⏏ Remove Screen].**

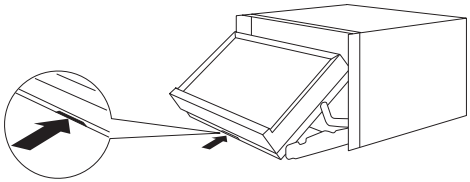
A confirmation message is displayed.

3 **Touch [OK] to confirm.**

4 **Press the Release Lever on the bottom of the screen panel within the 30 seconds count down.**

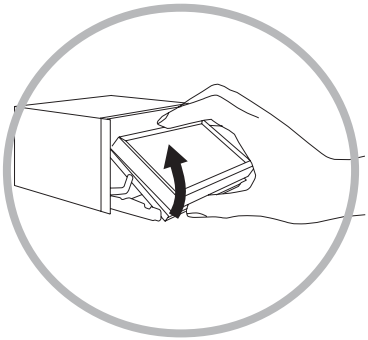
The screen panel is unlocked.

- *After the Release Lever is pressed, the front panel will close in 15 seconds, whether the screen panel is detached or not.*



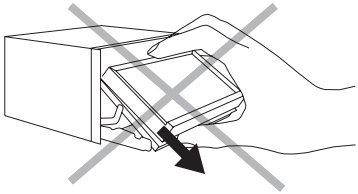
5 **Grasp the screen panel firmly, and then force the bottom of the screen panel outward to make it depart from the main unit.**

CORRECT

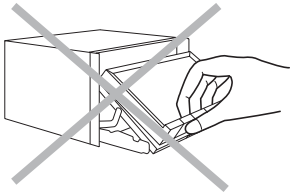


INCORRECT

- Pull it as the direction of arrowhead



- Grab the Hard key

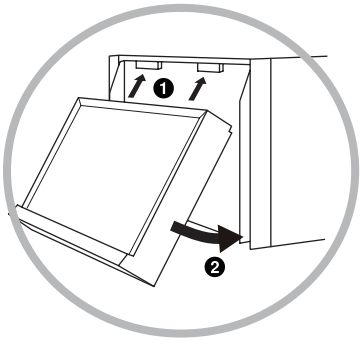


Attaching

1 **Insert the upside of the screen panel into the main unit. Align the groove on the screen panel with projections on the main unit.**

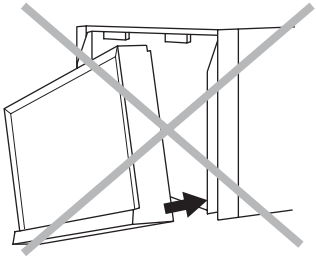
2 **Push the downside of the screen panel until it locks firmly into the main unit.**

CORRECT



INCORRECT

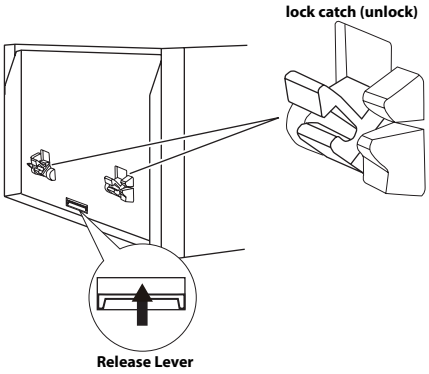
- Install from the downside



In Case of Difficulty

Screen panel cannot be attached

- Attaching method is not correct.
- The lock catch of main unit is in lock state.
  - Slide the Release Lever upward to unlock the lock catch.



About Dual Screen

If you want to display the music playback screen while route guidance is displayed, etc., you can display the Navigation and Audio/Visual screens simultaneously.

Navigation Full screen

Touch the Navigation screen portion.

or

Press the (MAP) button.

Dual Screen

Touch .

Audio/Visual Full screen

Touch *1

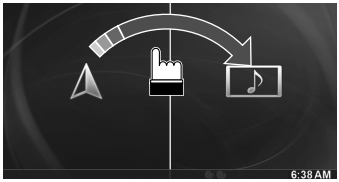
or

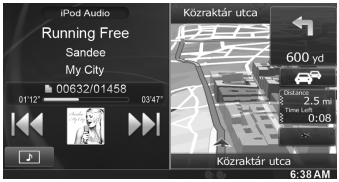
Press the (AUDIO) button.

*1 During video playback, [Dual Wide], [Dual Full] and [Full Screen] appear on the screen for selecting the screen size.

Dual Screen Display Position

You can switch the right and left screens using drag & drop.
To switch the screens, touch the middle of the screen you want to move and drag it to the desired display position. The screens will switch positions when you remove your finger.





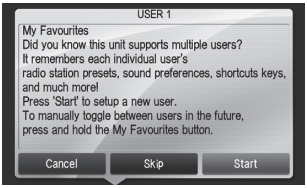
User Registration

You can register up to two users. Configure the User1 and User2 settings for each user.

1 **Press the ★ (My Favourites) button.**

The My Favourites screen is displayed.

2 **Touch [Start].**



The user name input screen for the first user is displayed.

- Touching [Skip] registers the user name as "USER1" or "USER2" and no BLUETOOTH device is registered. In this case, the users will not be switched automatically.
- Touching [Cancel] or pressing the ★ (My Favourites) button returns to the original screen without registering a user.

3 **Input the user name from the keypad, and then touch [OK].**

The BLUETOOTH Device Setup screen is displayed.

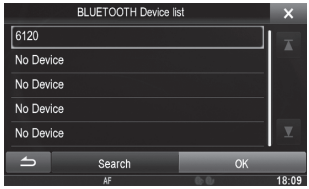
- Touch [⟵] to edit the name.

4 **Touch [Link], and then touch [OK].**

The BLUETOOTH Device List is displayed.

- Touching [Do not Link] exits user registration without registering a BLUETOOTH device.

5 **Touch [Search].**

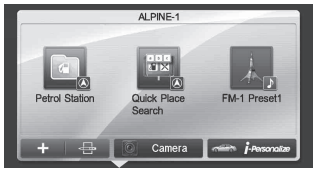


The system starts searching for BLUETOOTH devices.
When the search is completed, the BLUETOOTH Device List is displayed.

- Set the BLUETOOTH setting on the preregistered BLUETOOTH device side to "ON".

6 **Touch a registered BLUETOOTH device, and then touch [OK].**

My Favourites screen for USER1 is displayed.



■ Register User2

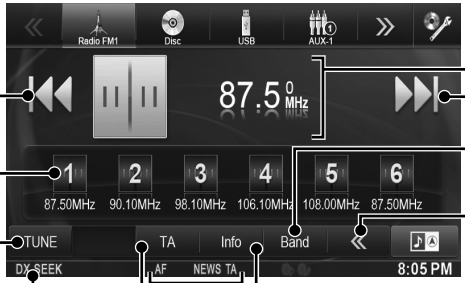
7 **Press the ★ (My Favourites) button.**

The My Favourites screen is exited, and then the display returns to the original screen.

8 **Press and hold the ★ (My Favourites) button for at least 3 seconds.**

The My Favourites user guide is displayed. Repeat steps 2 through 6 to register USER2.

Radio Operation



Decreases frequency

Preset button
Displays the preset stations with a short touch.
Touch for at least 2 seconds to memorise the current station as a preset station.

Changes tuning mode

SEEK mode indicator

Traffic Information mode On/Off

RDS information display

Increases frequency

Switches band

Changes operation button

Changes text information

RDS indicator

Memorises stations automatically

Changes operation button

PRIORITY NEWS mode On/Off

Displays Select PTY screen

AF mode On/Off

MP3/WMA/AAC Operation

Finds the beginning of the current file/Finds a previous file within one second after playback starts/Fast-reverses when touched for at least 2 seconds

Current song no./Total song no.

Displays the search screen

Elapsed time

Pause and Playback

Finds the beginning of previous folder

Finds the beginning of next folder

MP3/WMA/AAC information display

Finds the beginning of the next file/Fast-forwards when touched for at least 2 seconds

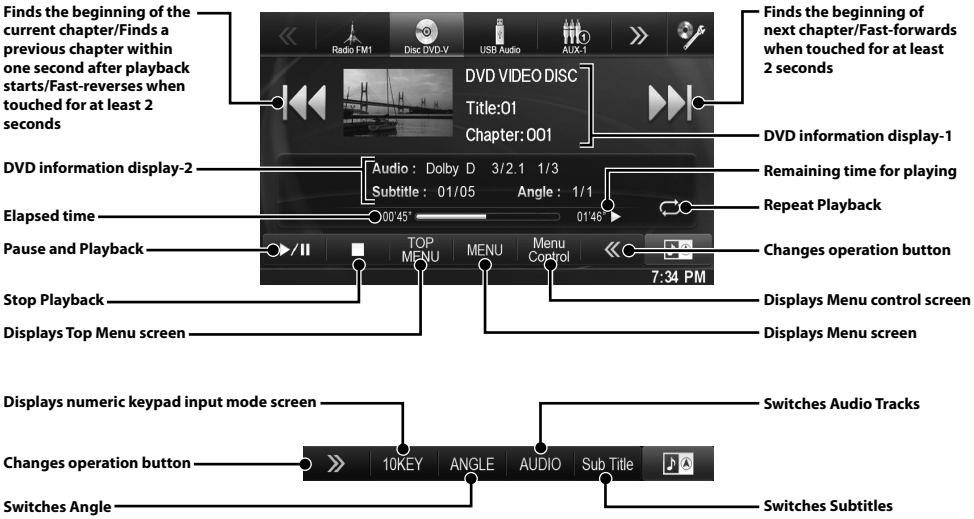
Random Play

Repeat Playback

Displays the search screen

DVD Operation

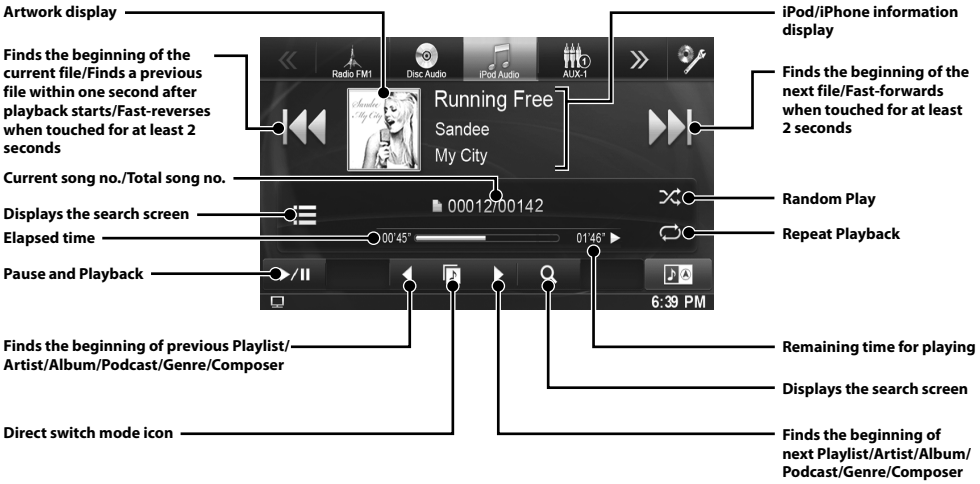
When you touch the DVD playback screen, the DVD operation screen is displayed. The following is an example of the DVD-VIDEO operation screen.



iPod/iPhone Operation (Optional)

An iPod/iPhone can be connected to this unit by using the cable (KCU-461iV) (sold separately). You can connect a video-capable iPod to enjoy not only Music but also Video files.

Audio mode



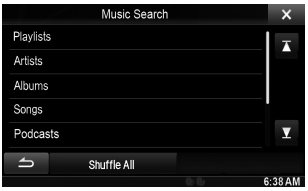
Searching for a Music File

For example: Searching by Artist name

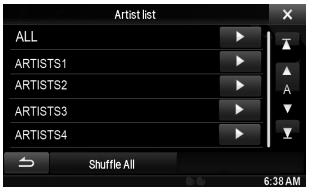
1 **Touch [(Search)] during playback.**

2 **Touch [Music].**

3 **Touch [Artists].**



4 **Touch the selected artist's name.**



The Albums search screen of the selected artist is displayed.
Touching [▶] of the desired artist will play back all songs of the selected artist.

5 **Touch the desired album's name.**

All songs of the selected album are displayed.
Touching [▶] of the desired album will play back all songs of the selected album.

6 **Touch the desired song's name.**

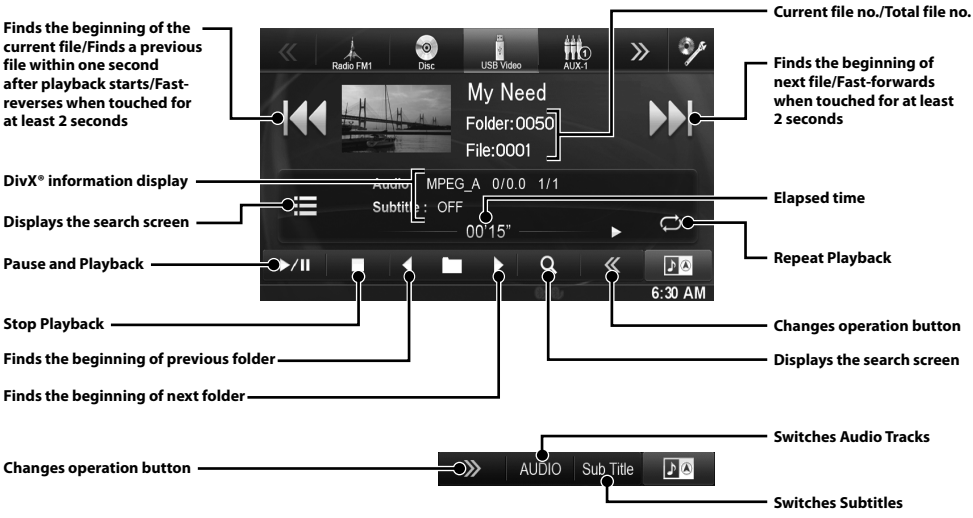
The selected song is played back.

- *Touching [▶] of "ALL" will play back all songs in the list.*

USB Memory Operation (Optional)

You can play back music files (MP3/WMA/AAC) and video files (DivX®) stored in a USB memory device on the internal player of this system.
Refer to the "MP3/WMA/AAC Operation" (page 8) for information on music.

Video mode



Hands-Free Phone Control

Hands-free calls are possible when using an HFP (Hands-Free Profile) compatible mobile phone with the INE-W977BT.

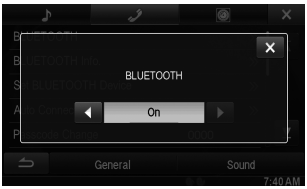
How to connect to a BLUETOOTH compatible device (Pairing)

1 **Touch [Setup] icon of Top banner.**

2 **Touch [(BLUETOOTH)].**

3 **Touch [BLUETOOTH].**

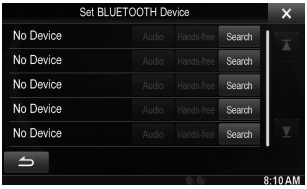
4 **Touch [◀] or [▶] of "BLUETOOTH" to set to "On".**



5 **Touch [✕].**

6 **Touch [Set BLUETOOTH Device].**

7 **Touch [Search] of "No Device".**



The Device list displays up to 10 items.

8 **Touch [Audio] or [Hands-free] of the device you want to connect from the list.**

Audio: Sets for use as an Audio device.
Hands-free: Sets for use as a Hands Free Device.

9 **When the device registration is complete, a message appears and the device returns to normal mode.**

- *The BLUETOOTH registration process differs depending on the device version and SSP (Simple Secure Pairing). If a 4 or 6 character Passcode appears on this device, enter the Passcode using the BLUETOOTH compatible device. If a 6 character Passkey appears on this device, make sure the same passkey is displayed on the BLUETOOTH compatible device and touch "Yes".*

Answering a Call

1 **An incoming call triggers the ringtone and an incoming call display.**

2 **Touch [ ] or press (PHONE) button.**

The call starts.

Hanging up the Telephone

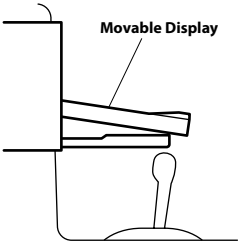
1 **Touch [ ].**

The call finishes.

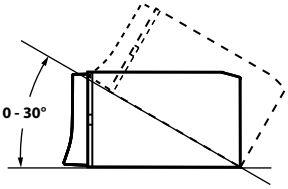
Installation

- *When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the INE-W977BT to the fuse box, make sure the fuse for the intended circuit of the INE-W977BT has the appropriate amperage. Failure to do so may result in damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.*
- *The Display must be completely retracted in the casing when installing. If it is not, problems may occur.*

1 Before installing, make sure that the opening and closing of the display will not interfere with operation of the gear shift.



2 Install at an angle between horizontal and 30°. Note that installing at an angle outside of this range will result in a loss of performance and possibly damage.

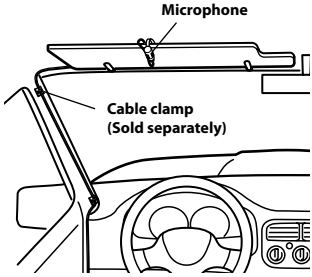


3 Mounting the Microphone.

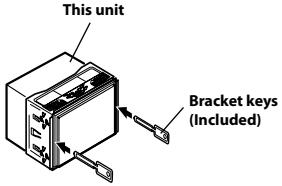
For safe use, make sure of the following:

- location is stable and firm.
- driver's view and operations are not obstructed.
- microphone is located where the driver's voice can be easily picked up (on the sun visor, etc.).

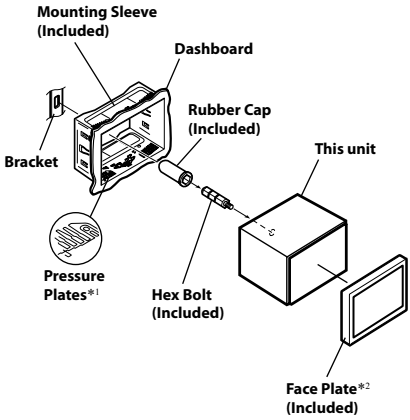
When you speak into the microphone, you should not have to change your driving posture. This may cause a distraction, taking your attention away from safely driving your vehicle. Carefully consider direction and distance while mounting the microphone. Confirm that the driver's voice can be easily picked up at the selected location.



4 Remove the mounting sleeve from the main unit.



Slide the unit into the mounting sleeve and secure it.

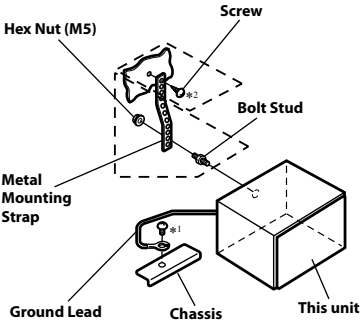


*1 If the installed mounting sleeve is loose in the dashboard, the pressure plates may be bent slightly to remedy the problem.

*2 The supplied face plate may be mounted.

5 **When your vehicle has the Bracket, mount the long hex bolt onto the rear panel of the INE-W977BT and put the Rubber Cap on the hex bolt. If your vehicle does not have the Mounting Support, reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot using a screw (*1) already attached to the vehicle's chassis.**

Connect all the leads of the INE-W977BT according to details described in the CONNECTION section.

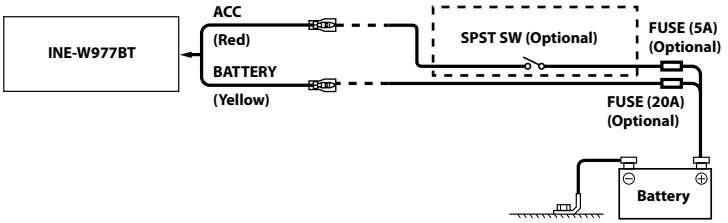


- *For the screw marked "*2", use an appropriate screw for the chosen mounting location.*

6 **Slide the INE-W977BT into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard.**

Connection Diagram of SPST Switch (sold separately)

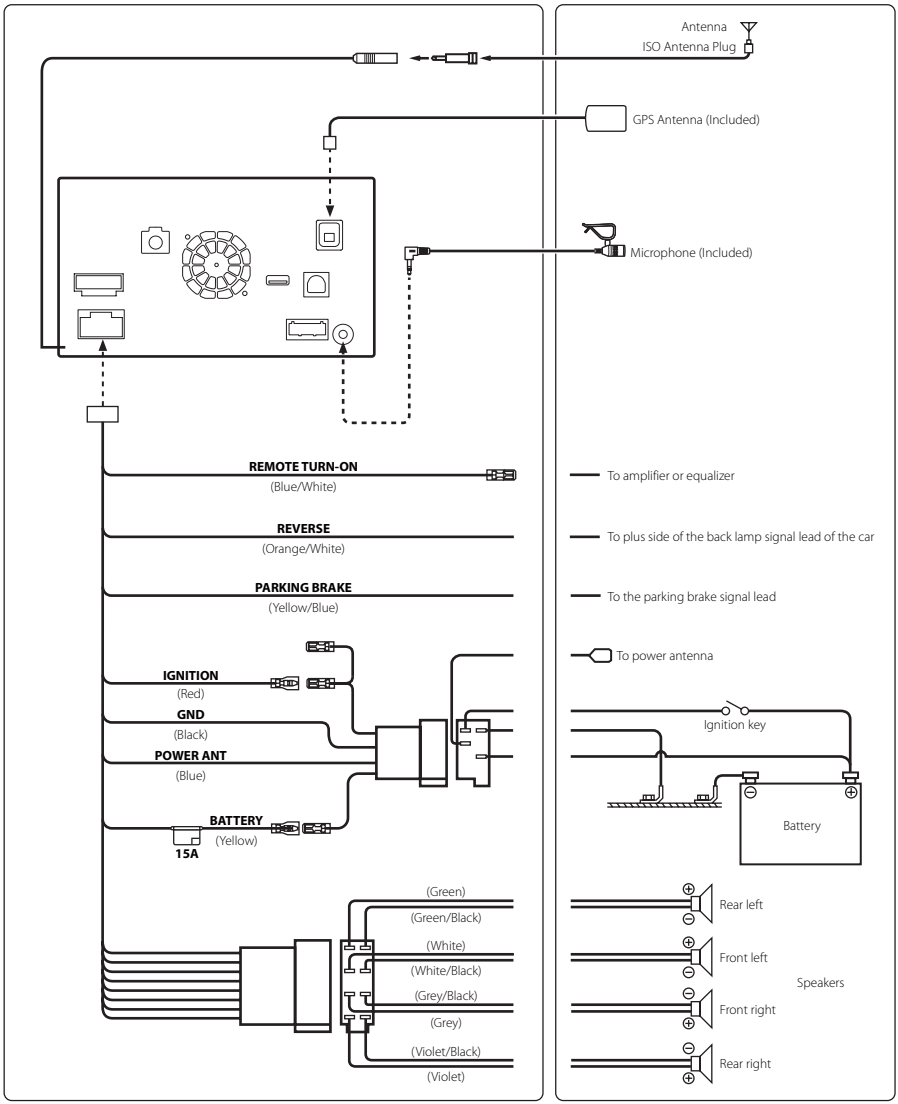
(If the ACC power supply is not available)



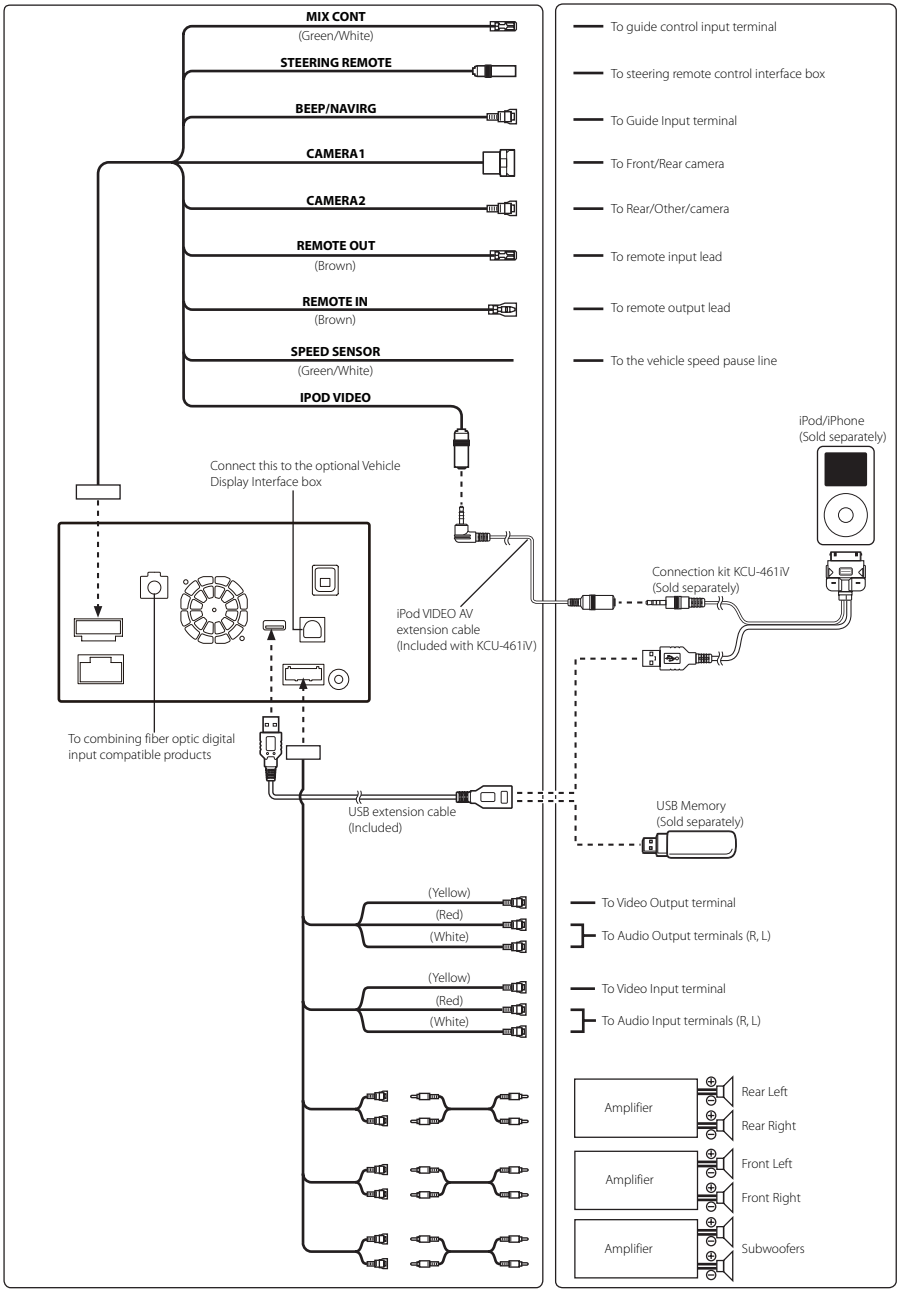
- *If your vehicle has no ACC power supply, add an SPST (Single-Pole, Single-Throw) switch (sold separately) and fuse (sold separately).*
- *The diagram and the fuse amperage shown above are in the case when INE-W977BT is used individually.*
- *If the switched power (ignition) lead of the INE-W977BT is connected directly to the positive (+) post of the vehicle's battery, the INE-W977BT draws some current (several hundred milliamperes) even when its switch is placed in the OFF position, and the battery may be discharged.*

Connections

Connections 1/2



Connections 2/2



Specifications

MONITOR SECTION

Screen Size	7.0"
LCD Type	Transparent type TN LCD
Operation System	TFT active matrix
Number of Picture Elements	1,152,000 pcs. (800 × 3 × 480)
Effective Number of Picture Elements	99% or more
Illumination System	LED

FM TUNER SECTION

Tuning Range	87.5 – 108.0 MHz
Mono Usable Sensitivity	8.1 dBf (0.7 µV/75 ohms)
50 dB Quieting Sensitivity	12 dBf (1.1 µV/75 ohms)
Alternate Channel Selectivity	80 dB
Signal-to-Noise Ratio	65 dB
Stereo Separation	35 dB
Capture Ratio	2.0 dB

MW TUNER SECTION

Tuning Range	531 – 1,602 kHz
Usable Sensitivity	25.1 µV/28 dBf

LW TUNER SECTION

Tuning Range	153 – 281 kHz
Sensitivity (IEC Standard)	31.6 µV/30 dBf

USB SECTION

USB requirements	USB 1.1/2.0
Max. Power Consumption	1,000 mA
USB Class	USB (Play From Device)/ USB (Mass Storage Class)
File System	FAT12/16/32
MP3 Decoding	MPEG-1/2 AUDIO Layer-3
WMA Decoding	Windows Media™ Audio
AAC Decoding	AAC-LC format ".m4a" file
Number of Channels	2-Channel (Stereo)
Frequency Response*	5 – 20,000 Hz (±1 dB)
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Signal-to-Noise Ratio	100 dB
Channel Separation	85 dB (at 1 kHz)

* Frequency response may differ depending on the encoder software/bit rate.

CD/DVD SECTION

Frequency Response	5 – 20,000 Hz (±1 dB)
Wow & Flutter (% WRMS)	Below measurable limits
Total Harmonic Distortion	0.008% (at 1 kHz)
Dynamic Range	95 dB (at 1 kHz)
Channel Separation	85 dB (at 1 kHz)
Signal system	NTSC/PAL
Horizontal resolution	500 lines or greater
Video output level	1Vp-p (75 ohms)
Video S/N ratio	DVD: 60 dB
Audio S/N ratio	100 dB

PICKUP

Wave length	DVD: 666 nm CD: 785 nm
Laser power	CLASS II

GPS SECTION

GPS Reception frequency	1,575.42 ±1 MHz
GPS Reception sensitivity	-130 dB max.

BLUETOOTH SECTION

BLUETOOTH Specification	Bluetooth V2.1+EDR
Output Power	+4 dBm Max. (Power class 2)
Profile	HFP (Hands-Free Profile) OPP (Object Push Profile) PBAP (Phone Book Access Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile)

GENERAL

Power Requirement	14.4 V DC (11–16 V allowable)
Operating temperature	-4°F to +140°F (-20°C to + 60°C)
Maximum Power Output	50 W × 4
Output Voltage	4,000 mV/10k ohms
Weight	2.78 kg
Audio output level	
Preout (Front, Rear):	4V/10k ohms (max.)
Preout (Subwoofer):	4V/10k ohms (max.)
AUX OUT:	1.2V/10k ohms (max.)

CHASSIS SIZE

Width	178 mm
Height	100 mm
Depth	165 mm

NOSE SIZE

Width	171 mm
Height	96 mm
Depth	25 mm

- *Due to continuous product improvement, specifications and design are subject to change without notice.*
- *The LCD panel is manufactured using an extremely high precision manufacturing technology. Its effective pixel ratio is over 99.99%. This means that there is a possibility that 0.01% of the pixels could be either always ON or OFF.*

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About the Rules of Bluetooth Electromagnetic Radiation Regulation

CE

Declaration of Conformity